



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

05/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Feb/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.684	630.885	1) Gujrat	4.144	28.426
2) Hydro	8.112	43.996	2) Madhya Pradesh	21.294	96.772
3) Gas	12.156	62.059	3) Chattisgarh	13.340	61.940
Total MSGENCO	147.952	736.940	4) Maharashtra	48.729	234.225
B) OTHERS			5) Goa	-5.276	-29.226
1) JSW JAIGAD	19.092	100.886	6) TAPS 1&2 Injection	7.808	39.137
2) WPCL	6.324	35.513	7) RGPPL Injection	24.003	124.268
3) Other CPP / IPP	7.088	35.394	8) Pench (Excess)	-0.433	-1.801
4) Wind Generation	1.476	16.551	# Total Cent. Sector	113.609	553.741
5) PENCH (MS)	0.433	2.046	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-8.079	-45.977
1) TPCL Thermal	13.120	89.160	G) Bilateral Power *		
2) TPCL Hydro	4.999	28.546	1) MSEDCL Bilateral	29.048	143.172
TOTAL TPCL	18.119	117.706	Include PX	0.000	-0.530
3) REL Thermal	12.657	61.808	2) MUMBAI Bilateral	5.733	44.349
D) STATE			Include PX	-5.316	-14.406
1) Thermal (A1+C1+C3)	153.461	781.853	3) MUMBAI Schedule	7.908	46.524
2) Hydro (A2+B5+C2)	13.544	74.588	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.156	62.059	1) MSEDCL	287.895	1435.094
4) Wind (B4)	1.476	16.551	2) TPCL	25.444	151.015
5) CPP (B1+B2+B3)	32.504	171.793	3) REL	13.409	75.072
TOTAL STATE	213.141	1106.844	TOTAL STATE	326.748	1661.181

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5463	5278	5229
MSGENCO Hydro	764	418	147
MSGENCO Gas	506	505	509
MSGENCO Total Generation	6733	6201	5885
Central Sector Receipt	5429	5094	4080
WIND	30	90	98
CPP / IPP	1415	1408	1304
Exchange with Mumbai	-458	-589	-254
MSEDCL DEMAND MET	13202	12251	11113
Load Shedding (LS)	1800	552	283
MSEDCL DEMAND (INCL. LS)	15002	12803	11396
TPCL GENERATION	821	815	536
REL GENERATION	528	525	528
TPCL+REL DEMAND	1807	1929	1318
STATE DEMAND MET	15009	14180	12431
Load Management (LM)	2164	3535	1645
Total Load Relief (LS+LM)	3964	4087	1928
UNRESTRICTED STATE DEMAND	18973	18267	14359
Frequency (Hz)	49.69	49.78	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 06.04 Hrs	49.36 Hz at 00.06 Hrs	49.84	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 05/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.17	16.37	145	117	125
Unit 6	3.36	17.96	160	124	140
Unit 7	3.42	19.40	160	135	140
Total	9.95	53.72			405
Bhusawal					
Unit 2	4.20	21.08	180	170	180
Unit 3	4.28	21.17	185	160	180
Unit 4	0.00	0.00	0	0	
Total	8.48	42.24			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.81	23.48	205	189	200
Unit 5	3.93	18.89	172	155	165
Unit 6	4.32	5.71	255	0	220
Unit 7	5.37	27.12	249	212	220
Total	18.43	75.20			805
Chandrapur					
Unit 1	3.52	17.80	154	137	160
Unit 2	4.10	20.39	180	144	165
Unit 3	4.35	20.64	188	167	180
Unit 4	4.86	24.29	210	170	210
Unit 5	11.21	53.82	475	455	475
Unit 6	9.80	49.12	430	354	420
Unit 7	9.57	49.10	450	325	400
Total	47.42	235.16			2010
Paras					
Unit 3	5.53	27.15	256	193	250
Unit 4	5.52	27.44	258	193	250
Total	11.05	54.60			500
Khaparkheda					
Unit 1	3.42	14.90	210	0	0
Unit 2	4.24	20.95	185	160	180
Unit 3	4.41	21.11	201	171	180
Unit 4	5.29	26.20	223	218	210
Unit 5	0.00	14.00	0	0	
Total	17.36	97.17			570
Nasik					
Unit 3	5.16	25.11	220	195	210
Unit 4	4.97	24.24	213	200	210
Unit 5	4.85	23.45	206	197	210
Total	14.99	72.80			630
Uran					
All Units	12.16	62.06	509	504	500
Total	12.16	62.06			500
PENCH (MS)					
Pench (MS)	0.43	2.05	53	0	
Total	0.43	2.05			
Koyna					
Stage 1-2	1.46	8.80	150	40	600
Stage 4	0.00	1.16	0	0	250
Stage 3	0.50	2.93	132	0	320
Total	1.96	12.89			1170
Kovna 12&4 Total	1.46	9.96			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	1.57	0	0	18
VTRNA	0.83	3.89	61	0	61
TILLARI	0.38	1.86	60	0	60
BHTGR/VEER	0.08	0.47	4	3	4
BHIRA T.R.	0.36	1.70	81	0	80
RNGR+BHTSA	0.34	1.77	15	14	15
BHANDARDRA	0.79	3.13	34	27	27
ELDARY	0.32	1.62	14	13	13
SMLHY PTN	1.00	5.17	50	38	12
GHATGHAR	2.05	9.93	250	0	
Total	6.15	31.11			290
Wind					
MalharPeth	0.06	1.36			
Vankuswadi	0.11	1.32			
ATIT	0.01	0.35			
Kale	0.02	0.51			
Satara	0.25	2.55			
Shirala	0.02	0.58			
K Mahankal	0.11	0.86			
Supa	0.09	0.49			
Vita	0.26	2.06			
Dondaicha	0.23	3.95			
Sakri	0.07	0.44			
Nandurbar	0.01	0.37			
Khandke	0.18	1.11			
Khaparale	0.08	0.60			
Total	1.48	16.55			
CPP					
JSW JAIGAD	19.09	100.89	858	759	800
WARDHA	6.32	35.51	293	259	294
Other CPPs	7.09	35.39			
Total	32.50	171.79			1094
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	2.84	38.77	476	0	500
Trombay 7A	3.03	14.20	129	122	120
Trombay 7B	1.66	8.04	70	68	60
Trombay 8	5.60	28.15	250	182	250
TATA Hydro	5.00	28.55	442	0	447
Total	18.12	117.71			1377
REL					
1&2	12.66	61.81	530	525	500
Total	12.66	61.81			500
Cent Sect					
Share					4788
Total					4788

MS PG CL	Thermal	127.68	630.88		5280
	Thml+Gas	139.84	692.94		5780
	Hydro	8.11	44.00		1460
	Total	147.95	736.94		7240
State Total		213.14	1106.84		14999

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/Feb/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	5234	142	509	5885	83	1298	4556	4656	-300	-359	11563	2127	11712	1518	15208	49.74
2	5222	142	509	5873	93	1304	4253	4186	-237	-300	11156	2177	11416	1384	14717	49.89
3	5229	147	509	5885	98	1304	4216	4080	-222	-254	11113	1928	11396	1318	14359	49.92
4	5243	152	509	5904	76	1304	4227	3968	-227	-223	11029	2102	11312	1290	14421	49.90
5	5238	147	509	5894	75	1298	4211	4265	-210	-206	11326	2135	11618	1282	14743	49.87
6	5186	142	508	5836	72	1316	4303	4384	-78	-159	11449	2498	11963	1352	15299	49.83
7	5239	158	505	5902	48	1404	4333	4495	-109	-109	11740	3234	12968	1435	16409	49.91
8	5270	182	507	5959	54	1362	4397	5082	-146	-103	12354	3815	13854	1477	17646	49.80
9	5370	374	508	6252	36	1405	4455	4825	-199	-130	12388	3872	13943	1578	17838	49.67
10	5497	691	505	6693	30	1416	4708	4813	-235	-126	12843	4127	14710	1708	18678	49.75
11	5528	689	505	6722	35	1420	4817	5117	-283	-483	12854	4159	14830	1784	18797	49.69
12	5463	764	506	6733	30	1415	4669	5429	-299	-458	13202	3964	15002	1807	18973	49.69
13	5449	687	505	6641	30	1346	4661	5246	-488	-430	12884	4074	14809	1834	18792	49.69
14	5383	492	506	6381	27	1336	4615	5491	-391	-310	12976	3835	14729	1707	18518	49.78
15	5365	399	506	6270	32	1334	4521	5660	-313	-293	13054	3499	14624	1649	18202	49.92
16	5392	394	505	6291	36	1328	4398	5155	-281	-309	12521	3498	14195	1652	17671	49.89
17	5481	370	505	6356	43	1388	4397	4258	-260	-329	11716	3862	13370	1670	17248	49.96
18	5403	259	506	6168	60	1413	4449	3916	-265	-233	11324	3639	12260	1574	16537	49.93
19	5267	278	506	6051	55	1411	4717	4626	-442	-470	11696	4225	12438	1809	17730	49.83
20	5278	418	505	6201	90	1408	4926	5094	-586	-589	12251	4087	12803	1929	18267	49.78
21	5266	393	504	6163	109	1332	4918	4751	-576	-552	11843	3963	12271	1913	17719	49.79
22	5300	281	506	6087	117	1343	5047	4586	-677	-629	11529	3877	11871	1854	17260	49.85
23	5247	208	506	5961	71	1308	4935	4873	-590	-579	11646	3639	11938	1747	17032	49.98
24	5134	203	507	5844	76	1311	4732	4654	-495	-446	11439	2947	11653	1584	15970	50.04
MUs	127.68	8.11	12.16	147.95	1.48	32.50	109.46	113.61	-7.91	-8.08	287.90	81.28	311.68	38.86	408.03	49.84

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 05/Feb/2012

Position as on 6.30 Hrs of 06/Feb/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	10/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	10/02/2012
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
CPP WPCL U-3	135	28/01/2012	07.48		Continued.	W/Dn,due to bottom ash problem.	
CPP JSW (J) U2	300	01/02/2012	21.39		Continued.	Lubricant system oil leakage.	
Khaparkheda Unit 5	500	04/02/2012	07:10		Continued.	W/dn.	10/02/2012
Khaparkheda Unit 1	210	04/02/2012	20.37	05/02/2012	05.41	Vaccum Problem.	
Tata Trombay 6	500	05/02/2012	10.33		Continued.	Differential protection.	06/02/2012
Parli Unit 6	250	05/02/2012	17.42	05/02/2012	20.36	Furnace pressure high.	
Parli Unit 6	250	05/02/2012	21.39	05/02/2012	23.55	M S Temperature very high.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Feb/2012

Position as on 6.30 Hrs of 06/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temprrory reconfigured as Tarapur-Boisar ckt-II
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	01/02/2012	21.11		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	04/02/2012	16.39		Continued.	Over Voltage.
Akola - Wardha - I	04/02/2012	21.31		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	04/02/2012	22.50	05/02/2012	08.55	Over Voltage.
Dhule-Sar'Sarovar - I	05/02/2012	23.12		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 315MVA ICT-II @ BBLSR	04/02/2012	08.33	05/02/2012	15.22	Fire System Protection Work,Taken on Humming.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Kalwa - Salshet - III	24/01/2012	11.35		Continued.	Replacement of 29A and B isolator,line taken on TBC.Upto 04.02.2012
220/6.6KV,40MVA Stn..T/F-II at Korady	01/02/2012	16.35		Continued.	Replacement of 29B isolator.
Aarey-Borivali-II	05/02/2012	06.17	05/02/2012	09.33	Inserting Insulator for 220KV Cable Termination @ Borivali Gantry.
Pirangut - Hinjewadi - II	05/02/2012	13.05	05/02/2012	15.42	Hot Spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogran pressure fire alarm received.
Bhusawal- Aurangabad	04/02/2012	16.52	05/02/2012	06.52	Over Voltage.
Karad - Kolhapur - I	04/02/2012	21.25	05/02/2012	08.58	Over Voltage.
Karad - Kolhapur - II	05/02/2012	16.05		Continued.	Over Voltage.
Bhusawal- Aurangabad	05/02/2012	17.23		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	29/01/2012	04.56		Continued.	To control Wardha-Warora Hinganghat line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persist.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Voltage Level : 132KV			Outage Type TRIPPED		
Deepnagar-Nimbhora	05/02/2012	00.55	05/02/2012	04.05	Y Ph. C T Burst.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 06/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	125
Unit 7	210	160
	620	425
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	205
Unit 5	210	150
Unit 6	250	190
Unit 7	250	230
	1130	775
Chandrapur		
Unit 1	210	155
Unit 2	210	165
Unit 3	210	180
Unit 4	210	210
Unit 5	500	475
Unit 6	500	420
Unit 7	500	400
	2340	2005
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	200
Unit 2	210	180
Unit 3	210	200
Unit 4	210	210
Unit 5	500	
	1340	790
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	500
	852	500
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	61
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	27
ELDARY	23	0
SMLHY PTN	12	30
GHATGHAR	250	0
	611	278
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	1000
WARDHA	405	330
Other CPPs	0	
	1005	1330
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5118
	3455	5118

	17900	15258
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